

OCT 29 2014



PHOENIX
TECHNOLOGY SERVICES

October 27, 2014

Nadel & Gussman Permian, L.L.C.
Attention: Regulatory Department
601 N. Marienfield, Suite 508
Midland, TX 79701

Re: Nadel & Gussman Permian, L.L.C.
Parkway 19 Federal #1H
Eddy County, NM
API #30-015-42545
Job No. 1411119

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 26 2015
RECEIVED

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced well with the State of New Mexico Oil Conservation Division – District 1 via certified mail. A copy of the filing is attached for your records.

Name of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Dean Young	1H	7,591	14,135	09/24/14	10/07/14	MWD

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

Dana Robinson

Dana Robinson
Operations Administrator

Phoenix Technology Services SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER 1411119

OPERATOR Nadel & Gussman

WELL NAME Parkway 19 Federal #1H

COUNTY & STATE Eddy County, NM

API WELL NUMBER 30-015-42545

PROPOSED DIRECTION 0:24°

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
7,480 ft	7,475.73 ft	0.81°	344.04°	63.82 ft	59.58 ft	GYRO

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
24-Sep-14	7,591.00 ft	0.5°	299.5°

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
7-Oct-14	14,135.00 ft	87.70	0.50

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
8-Oct-14	14,191.00 ft	87.70	0.50

Dean Young

PRINT YOUR NAME ABOVE

Dean Young

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.25
DECLINATION OR GRID	GRID

10/10/2014

TODAY'S DATE

MWD SUPERVISOR 1 Dean Young

DIRECTIONAL DRILLER 1

Zack Johnson

MWD SUPERVISOR 2 Will Fenley

DIRECTIONAL DRILLER 2

Nick Berwick

12329 Cutten Rd., Houston, Texas 777066 (713)337-0600 (Voice), (713)337-0599 (Fax)

NM OIL CONSERVATION
ARTESTA DISTRICT

JAN 26 2015

RECEIVED

Nadel and Gussman Permian, LLC

Eddy County, New Mexico (NAD27)

Parkway 19 Federal

1H

Wellbore #1 Job #1411119

Survey: Phoenix MWD Surveys

Standard Survey Report

09 October, 2014



Phoenix Technology Services

Survey Report



Company: Nadel and Gussman Permian, LLC
Project: Eddy County, New Mexico (NAD27)
Site: Parkway 19 Federal
Well: 1H
Wellbore: Wellbore #1 Job #1411119
Design: Surveys (Patriot 5)

Local Co-ordinate Reference: Well 1H
TVD Reference: WELL @ 3384.50usft (Patriot 5)
MD Reference: WELL @ 3384.50usft (Patriot 5)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Compass 5000 GCR DB

Project	Eddy County, New Mexico (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Parkway 19 Federal			
Site Position:		Northing:	596,322.80 usft	Latitude:	32° 38' 20.39455 N
From:	Map	Easting:	596,996.80 usft	Longitude:	104° 1' 5.63137 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.17 °

Well	1H					
Well Position	+N/-S	0.00 usft	Northing:	596,322.80 usft	Latitude:	32° 38' 20.39455 N
	+E/-W	0.00 usft	Easting:	596,996.80 usft	Longitude:	104° 1' 5.63137 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,361.00 usft

Wellbore	Wellbore #1 Job #1411119				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	9/19/14	7.42	60.41	48,491

Design	Surveys (Patriot 5)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.24	

Survey Program	Date 10/09/14				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	7,480.00	VES Gyro Surveys (Wellbore #1 Job #141	NS-GYRO-MS	North sensing gyrocompassing m/s	
7,480.00	14,191.00	Phoenix MWD Surveys (Wellbore #1 Job #	PHX+MWD+IGRF	PHX+MWD+IGRF v3:standard declination	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,480.00	0.81	344.04	7,475.73	63.82	59.58	64.07	0.00	0.00	0.00
Tie-in to VES Gyro Surveys									
7,591.00	0.50	299.50	7,586.73	64.81	58.94	65.06	0.52	-0.28	-40.13
First Phoenix Survey									
7,681.00	2.80	343.80	7,676.69	67.12	57.99	67.36	2.74	2.56	49.22
7,712.00	6.20	350.80	7,707.59	69.50	57.51	69.74	11.09	10.97	22.58
7,742.00	10.60	351.40	7,737.26	73.83	56.84	74.06	14.67	14.67	2.00
7,773.00	15.20	350.00	7,767.47	80.65	55.70	80.88	14.87	14.84	-4.52
7,805.00	19.30	349.10	7,798.02	89.98	53.97	90.21	12.84	12.81	-2.81

Phoenix Technology Services

Survey Report



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 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Compass 5000 GCR DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,836.00	22.20	350.90	7,827.01	100.80	52.08	101.01	9.58	9.35	5.81
7,868.00	25.20	352.50	7,856.30	113.52	50.23	113.73	9.59	9.38	5.00
7,900.00	27.70	353.70	7,884.95	127.67	48.53	127.87	7.99	7.81	3.75
7,932.00	30.60	355.90	7,912.90	143.19	47.13	143.39	9.66	9.06	6.88
7,963.00	33.40	356.60	7,939.19	159.58	46.06	159.77	9.11	9.03	2.26
7,995.00	36.30	356.90	7,965.44	177.84	45.02	178.02	9.08	9.06	0.94
8,027.00	38.60	358.70	7,990.85	197.28	44.29	197.46	7.96	7.19	5.63
8,058.00	39.20	359.30	8,014.97	216.74	43.95	216.92	2.29	1.94	1.94
8,090.00	38.90	359.30	8,039.82	236.90	43.70	237.08	0.94	-0.94	0.00
8,122.00	39.50	359.30	8,064.62	257.12	43.45	257.30	1.88	1.88	0.00
8,153.00	41.00	0.00	8,088.28	277.15	43.33	277.33	5.05	4.84	2.26
8,185.00	45.30	0.60	8,111.62	299.03	43.45	299.21	13.50	13.44	1.88
8,217.00	48.70	0.60	8,133.44	322.43	43.70	322.61	10.63	10.63	0.00
8,248.00	51.30	0.80	8,153.37	346.17	43.99	346.35	8.40	8.39	0.65
8,280.00	54.00	1.20	8,172.78	371.61	44.43	371.79	8.50	8.44	1.25
8,311.00	56.20	0.50	8,190.51	397.03	44.81	397.21	7.33	7.10	-2.26
8,343.00	58.20	359.30	8,207.85	423.92	44.76	424.11	7.00	6.25	-3.75
8,375.00	61.00	358.00	8,224.04	451.51	44.10	451.69	9.43	8.75	-4.06
8,410.00	64.00	358.10	8,240.20	482.53	43.05	482.71	8.58	8.57	0.29
8,442.00	65.80	357.70	8,253.77	511.49	41.98	511.66	5.74	5.63	-1.25
8,474.00	69.30	358.50	8,265.99	541.05	41.01	541.21	11.18	10.94	2.50
8,505.00	73.20	359.20	8,275.96	570.39	40.42	570.55	12.76	12.58	2.26
8,537.00	77.40	359.60	8,284.07	601.33	40.10	601.50	13.18	13.13	1.25
8,632.00	89.70	3.20	8,294.73	695.51	42.43	695.68	13.48	12.95	3.79
8,728.00	89.30	3.00	8,295.57	791.36	47.63	791.55	0.47	-0.42	-0.21
8,823.00	88.30	2.50	8,297.56	886.23	52.18	886.44	1.18	-1.05	-0.53
8,918.00	92.00	2.10	8,297.31	981.14	55.99	981.36	3.92	3.89	-0.42
9,015.00	92.20	2.00	8,293.75	1,078.01	59.46	1,078.25	0.23	0.21	-0.10
9,110.00	90.80	1.80	8,291.27	1,172.92	62.61	1,173.17	1.49	-1.47	-0.21
9,205.00	90.70	1.50	8,290.02	1,267.87	65.35	1,268.14	0.33	-0.11	-0.32
9,300.00	90.90	1.20	8,288.70	1,362.84	67.58	1,363.11	0.38	0.21	-0.32
9,395.00	91.00	0.00	8,287.12	1,457.82	68.58	1,458.09	1.27	0.11	-1.26
9,490.00	89.30	359.10	8,286.87	1,552.81	67.83	1,553.08	2.02	-1.79	-0.95
9,586.00	89.20	359.10	8,288.13	1,648.79	66.32	1,649.05	0.10	-0.10	0.00
9,681.00	89.40	359.10	8,289.29	1,743.77	64.83	1,744.03	0.21	0.21	0.00
9,776.00	89.80	359.00	8,289.95	1,838.76	63.26	1,839.00	0.43	0.42	-0.11
9,871.00	90.10	359.00	8,290.04	1,933.74	61.60	1,933.98	0.32	0.32	0.00
9,966.00	90.30	358.80	8,289.70	2,028.72	59.78	2,028.96	0.30	0.21	-0.21
10,061.00	90.50	358.50	8,289.04	2,123.69	57.54	2,123.92	0.38	0.21	-0.32
10,156.00	90.90	358.40	8,287.88	2,218.65	54.97	2,218.86	0.43	0.42	-0.11
10,251.00	91.20	358.40	8,286.14	2,313.60	52.32	2,313.80	0.32	0.32	0.00
10,346.00	91.00	1.00	8,284.32	2,408.57	51.82	2,408.77	2.74	-0.21	2.74
10,441.00	91.40	1.30	8,282.33	2,503.53	53.72	2,503.73	0.53	0.42	0.32

Phoenix Technology Services

Survey Report



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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,536.00	90.10	1.60	8,281.08	2,598.49	56.13	2,598.70	1.40	-1.37	0.32
10,631.00	88.30	1.60	8,282.41	2,693.44	58.78	2,693.66	1.89	-1.89	0.00
10,727.00	89.40	1.20	8,284.34	2,789.39	61.13	2,789.62	1.22	1.15	-0.42
10,822.00	90.40	1.30	8,284.50	2,884.37	63.20	2,884.61	1.06	1.05	0.11
10,918.00	91.20	1.00	8,283.16	2,980.34	65.12	2,980.58	0.89	0.83	-0.31
11,013.00	91.70	0.80	8,280.76	3,075.30	66.62	3,075.55	0.57	0.53	-0.21
11,108.00	90.30	0.80	8,279.10	3,170.27	67.94	3,170.53	1.47	-1.47	0.00
11,203.00	90.40	0.40	8,278.52	3,265.26	68.94	3,265.52	0.43	0.11	-0.42
11,298.00	90.80	0.10	8,277.52	3,360.26	69.35	3,360.52	0.53	0.42	-0.32
11,393.00	90.60	0.00	8,276.36	3,455.25	69.43	3,455.51	0.24	-0.21	-0.11
11,489.00	91.30	359.50	8,274.77	3,551.23	69.02	3,551.49	0.90	0.73	-0.52
11,584.00	89.70	0.20	8,273.94	3,646.23	68.77	3,646.48	1.84	-1.68	0.74
11,679.00	89.90	0.00	8,274.27	3,741.22	68.93	3,741.48	0.30	0.21	-0.21
11,774.00	90.10	359.70	8,274.27	3,836.22	68.68	3,836.48	0.38	0.21	-0.32
11,870.00	90.30	359.50	8,273.94	3,932.22	68.01	3,932.47	0.29	0.21	-0.21
11,965.00	89.40	0.80	8,274.19	4,027.22	68.26	4,027.47	1.66	-0.95	1.37
12,060.00	89.60	0.50	8,275.02	4,122.21	69.34	4,122.46	0.38	0.21	-0.32
12,155.00	89.60	0.40	8,275.68	4,217.20	70.09	4,217.46	0.11	0.00	-0.11
12,250.00	89.70	359.90	8,276.26	4,312.20	70.34	4,312.46	0.54	0.11	-0.53
12,345.00	89.90	0.20	8,276.59	4,407.20	70.42	4,407.46	0.38	0.21	0.32
12,439.00	90.00	0.80	8,276.67	4,501.20	71.24	4,501.45	0.65	0.11	0.64
12,535.00	90.10	1.10	8,276.59	4,597.18	72.83	4,597.45	0.33	0.10	0.31
12,630.00	90.20	1.50	8,276.34	4,692.16	74.99	4,692.43	0.43	0.11	0.42
12,725.00	90.40	0.80	8,275.84	4,787.14	76.89	4,787.42	0.77	0.21	-0.74
12,820.00	90.80	0.80	8,274.85	4,882.12	78.22	4,882.41	0.42	0.42	0.00
12,916.00	91.10	0.80	8,273.26	4,978.10	79.56	4,978.39	0.31	0.31	0.00
13,011.00	91.30	0.80	8,271.27	5,073.07	80.88	5,073.36	0.21	0.21	0.00
13,106.00	91.70	0.40	8,268.78	5,168.03	81.88	5,168.33	0.60	0.42	-0.42
13,201.00	91.60	0.20	8,266.05	5,262.99	82.38	5,263.29	0.24	-0.11	-0.21
13,279.00	91.70	0.70	8,263.80	5,340.95	82.99	5,341.26	0.65	0.13	0.64
13,374.00	91.20	1.20	8,261.40	5,435.91	84.56	5,436.22	0.74	-0.53	0.53
13,469.00	91.30	1.00	8,259.32	5,530.87	86.39	5,531.18	0.24	0.11	-0.21
13,564.00	90.80	0.80	8,257.58	5,625.84	87.88	5,626.16	0.57	-0.53	-0.21
13,659.00	90.30	0.90	8,256.67	5,720.83	89.29	5,721.15	0.54	-0.53	0.11
13,755.00	89.70	0.50	8,256.67	5,816.82	90.46	5,817.15	0.75	-0.63	-0.42
13,850.00	89.40	0.70	8,257.42	5,911.81	91.46	5,912.14	0.38	-0.32	0.21
13,945.00	89.00	1.00	8,258.74	6,006.79	92.86	6,007.13	0.53	-0.42	0.32
14,040.00	88.30	1.00	8,260.98	6,101.75	94.52	6,102.09	0.74	-0.74	0.00
14,135.00	87.70	0.50	8,264.30	6,196.68	95.77	6,197.03	0.82	-0.63	-0.53
Final Phoenix Survey									
14,191.00	87.70	0.50	8,266.54	6,252.64	96.25	6,252.98	0.00	0.00	0.00
Projection to TD									

Phoenix Technology Services

Survey Report



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Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,480.00	7,475.73	63.82	59.58	Tie-in to VES Gyro Surveys
7,591.00	7,586.73	64.81	58.94	First Phoenix Survey
14,135.00	8,264.30	6,196.68	95.77	Final Phoenix Survey
14,191.00	8,266.54	6,252.64	96.25	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

OCT 7 7 2014



September 8, 2014

Nadel and Gussman Heyco LLC
601 N. Marienfeld Street, Suite 508
Midland, TX 79701

Attn: Drilling Department

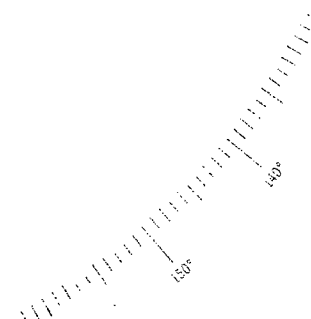
RE: Parkway 19 Federal 1H

Please find enclosed a copy of the survey from 0.00' to 7480.00' ran on the above referenced well.

If I can be of any further service please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations





Company: Nadel And Gussman
Lease/Well: Parkway 19 Federal/1H

Rig Name: Patriot 5
State/County: New Mexico/Eddy
Latitude: 32.64, Longitude: -104.02
GRID North is 0.17 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB=23.5 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 10/23/2014 / 13:21

VES Survey International
West Texas
(432) 563-5444
Surveyor: Adam Gathright
Parkway 19 Federal 1H / API 30-015-42545

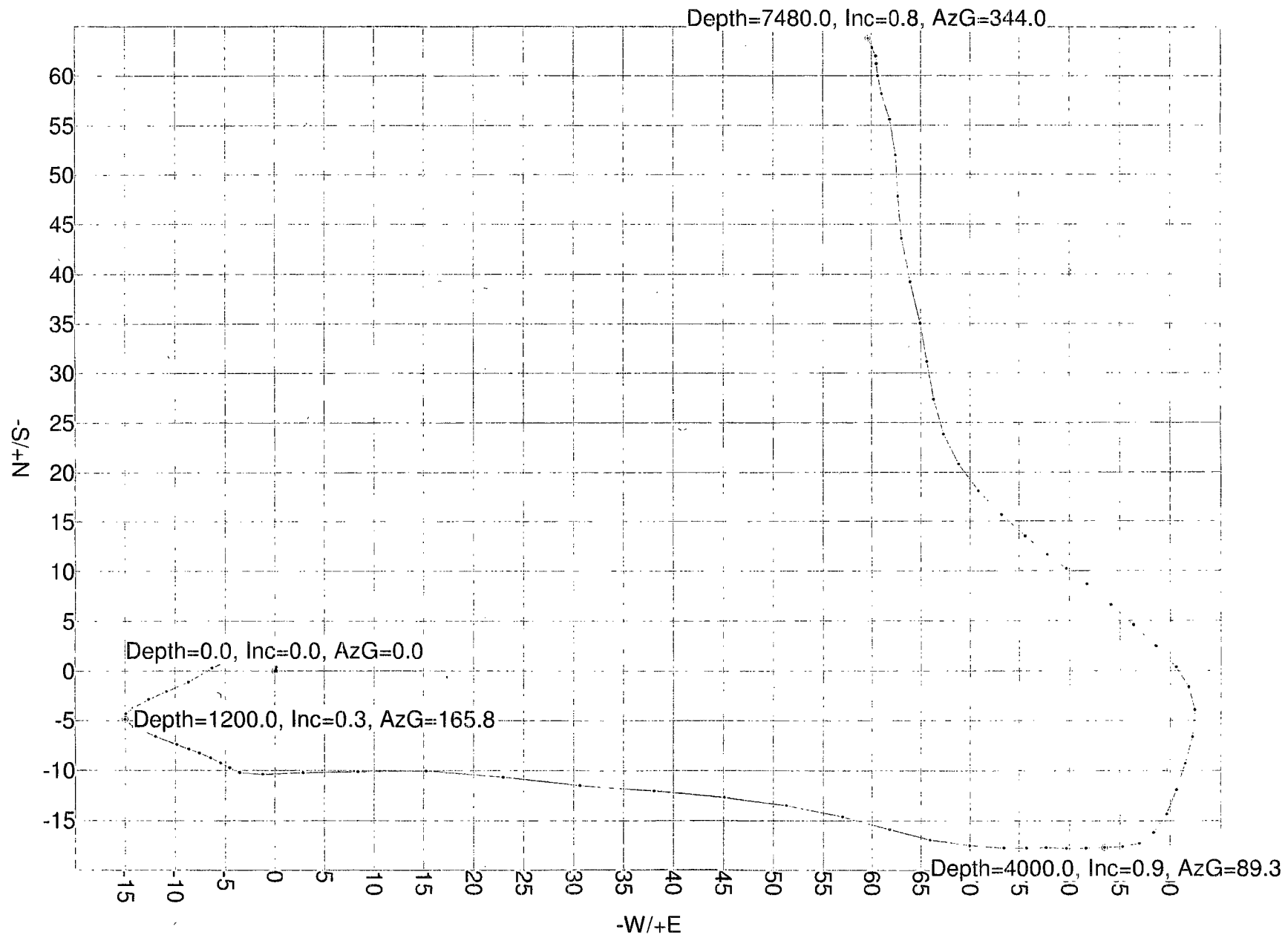
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.19	71.24	100.00	0.05	0.16	0.05	0.16	71.24	0.19
200.00	0.40	333.74	200.00	0.42	0.16	0.42	0.45	20.50	0.46
300.00	0.79	300.21	299.99	1.08	-0.60	1.08	1.23	331.06	0.51
400.00	0.98	276.60	399.98	1.53	-2.05	1.53	2.55	306.71	0.41
500.00	1.38	257.18	499.96	1.36	-4.08	1.36	4.30	288.41	0.56
600.00	1.48	234.07	599.93	0.33	-6.30	0.33	6.31	273.04	0.58
700.00	1.68	242.69	699.89	-1.09	-8.64	-1.09	8.71	262.79	0.31
800.00	1.10	253.93	799.86	-2.03	-10.87	-2.03	11.06	259.41	0.64
900.00	1.17	237.87	899.84	-2.84	-12.66	-2.84	12.97	257.35	0.32
1000.00	0.83	244.67	999.83	-3.69	-14.17	-3.69	14.65	255.40	0.36
1100.00	0.36	206.10	1099.82	-4.28	-14.96	-4.28	15.57	254.03	0.59
1200.00	0.34	165.80	1199.82	-4.85	-15.03	-4.85	15.79	252.10	0.24
1300.00	1.06	121.15	1299.81	-5.62	-14.16	-5.62	15.24	248.35	0.85
1400.00	1.70	108.80	1399.78	-6.58	-11.97	-6.58	13.66	241.21	0.70
1500.00	0.91	114.76	1499.76	-7.39	-9.85	-7.39	12.31	233.12	0.80
1600.00	0.60	104.54	1599.75	-7.85	-8.62	-7.85	11.66	227.69	0.34
1700.00	0.70	116.43	1699.74	-8.25	-7.57	-8.25	11.20	222.53	0.17
1800.00	0.66	110.27	1799.74	-8.73	-6.48	-8.73	10.87	216.59	0.08
1900.00	0.66	124.93	1899.73	-9.26	-5.47	-9.26	10.75	210.56	0.17

measured Depth FT	measured Angle Deg	measured Direction Deg	measured TVD FT	measured +N/-S FT	measured +E/-W FT	measured Section FT	measured Distance FT	measured Direction Deg	measured Severity Deg/100
2000.00	0.54	110.27	1999.72	-9.75	-4.55	-9.75	10.76	205.04	0.15
2100.00	0.73	119.51	2099.72	-10.22	-3.56	-10.22	10.83	199.23	0.21
2200.00	2.04	84.74	2199.69	-10.37	-1.25	-10.37	10.45	186.85	1.50
2300.00	2.67	90.05	2299.60	-10.21	2.85	-10.21	10.60	164.39	0.67
2400.00	3.66	88.35	2399.45	-10.12	8.37	-10.12	13.14	140.39	0.99
2500.00	4.25	90.05	2499.21	-10.03	15.28	-10.03	18.27	123.29	0.60
2600.00	4.57	98.80	2598.91	-10.65	22.92	-10.65	25.28	114.91	0.74
2700.00	4.33	93.40	2698.61	-11.48	30.63	-11.48	32.71	110.54	0.48
2800.00	4.26	95.12	2798.33	-12.03	38.10	-12.03	39.96	107.53	0.15
2900.00	3.77	95.09	2898.09	-12.66	45.07	-12.66	46.82	105.69	0.49
3000.00	3.48	99.98	2997.89	-13.47	51.34	-13.47	53.08	104.71	0.43
3100.00	3.08	103.36	3097.72	-14.62	56.94	-14.62	58.79	104.40	0.44
3200.00	2.66	106.69	3197.60	-15.91	61.78	-15.91	63.79	104.44	0.45
3300.00	2.25	100.73	3297.51	-16.94	65.93	-16.94	68.07	104.41	0.49
3400.00	2.41	95.98	3397.42	-17.53	69.95	-17.53	72.11	104.07	0.26
3500.00	1.61	91.24	3497.36	-17.77	73.44	-17.77	75.56	103.61	0.82
3600.00	1.02	88.33	3597.33	-17.78	75.73	-17.78	77.79	103.21	0.59
3700.00	1.25	88.94	3697.31	-17.73	77.71	-17.73	79.71	102.85	0.23
3800.00	1.04	94.55	3797.29	-17.78	79.71	-17.78	81.67	102.58	0.24
3900.00	1.19	86.48	3897.28	-17.79	81.65	-17.79	83.57	102.29	0.22
4000.00	0.91	89.29	3997.26	-17.72	83.48	-17.72	85.34	101.98	0.28
4100.00	1.18	86.35	4097.24	-17.64	85.31	-17.64	87.12	101.69	0.27
4200.00	0.80	66.56	4197.23	-17.30	86.98	-17.30	88.68	101.25	0.51
4300.00	1.30	43.92	4297.21	-16.21	88.40	-16.21	89.88	100.39	0.64
4400.00	1.34	24.73	4397.18	-14.33	89.68	-14.33	90.82	99.08	0.44
4500.00	1.67	19.93	4497.15	-11.91	90.66	-11.91	91.44	97.48	0.35
4600.00	1.46	15.53	4597.11	-9.31	91.50	-9.31	91.97	95.81	0.24
4700.00	1.72	14.88	4697.07	-6.64	92.22	-6.64	92.46	94.12	0.26
4800.00	1.47	351.25	4797.04	-3.92	92.41	-3.92	92.50	92.43	0.70
4900.00	1.31	339.64	4897.01	-1.59	91.82	-1.59	91.84	90.99	0.32
5000.00	1.43	317.74	4996.98	0.41	90.58	0.41	90.59	89.74	0.53
5100.00	1.87	314.82	5096.94	2.49	88.58	2.49	88.62	88.39	0.45
5200.00	1.64	311.81	5196.89	4.60	86.36	4.60	86.48	86.95	0.25
5300.00	1.84	312.24	5296.84	6.63	84.10	6.63	84.36	85.49	0.20
5400.00	1.75	309.98	5396.79	8.69	81.74	8.69	82.20	83.93	0.12
5500.00	1.21	303.50	5496.76	10.26	79.69	10.26	80.35	82.67	0.56
5600.00	1.50	309.38	5596.73	11.67	77.80	11.67	78.67	81.47	0.32
5700.00	1.77	310.52	5696.69	13.50	75.61	13.50	76.81	79.87	0.27
5800.00	1.94	313.29	5796.64	15.67	73.20	15.67	74.86	77.92	0.19
5900.00	1.96	318.67	5896.58	18.11	70.84	18.11	73.12	75.66	0.18

Depth FT	Angle Deg	Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Section FT	Distance FT	Direction Deg	Severity Deg/100
6000.00	1.93	328.41	5996.52	20.83	68.83	20.83	71.91	73.16	0.33
6100.00	1.97	337.87	6096.47	23.86	67.30	23.86	71.40	70.48	0.32
6200.00	2.19	349.23	6196.40	27.33	66.29	27.33	71.70	67.60	0.47
6300.00	2.22	351.11	6296.33	31.12	65.64	31.12	72.64	64.64	0.08
6400.00	2.29	348.78	6396.25	34.98	64.95	34.98	73.77	61.69	0.12
6500.00	2.67	344.56	6496.16	39.19	63.94	39.19	74.99	58.50	0.43
6600.00	2.46	352.95	6596.06	43.57	63.06	43.57	76.64	55.36	0.43
6700.00	2.42	356.70	6695.97	47.81	62.67	47.81	78.82	52.66	0.17
6800.00	2.34	355.75	6795.88	51.95	62.40	51.95	81.19	50.22	0.09
6900.00	1.90	344.44	6895.81	55.58	61.80	55.58	83.12	48.03	0.61
7000.00	1.26	339.69	6995.77	58.21	60.98	58.21	84.30	46.33	0.66
7100.00	0.88	354.54	7095.76	60.00	60.52	60.00	85.23	45.25	0.46
7200.00	0.53	357.34	7195.75	61.23	60.43	61.23	86.03	44.62	0.35
7300.00	0.39	354.09	7295.74	62.03	60.37	62.03	86.56	44.23	0.14
7400.00	0.70	326.35	7395.74	62.87	60.00	62.87	86.91	43.66	0.39
7480.00	0.81	344.04	7475.73	63.82	59.58	63.82	87.31	43.03	0.32



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